

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P129317

Luminaire Tested: **VERD-A016-E-U-T5-AP**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P129317  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24745)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-A016-E-U-T5-AP  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 4000K LED AT 60% STANDARD LUMENS AND TYPE V OPTICS, GREY  
PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3864 lumens  
Efficiency: N/A  
Efficacy: 107.3 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U0 - G2

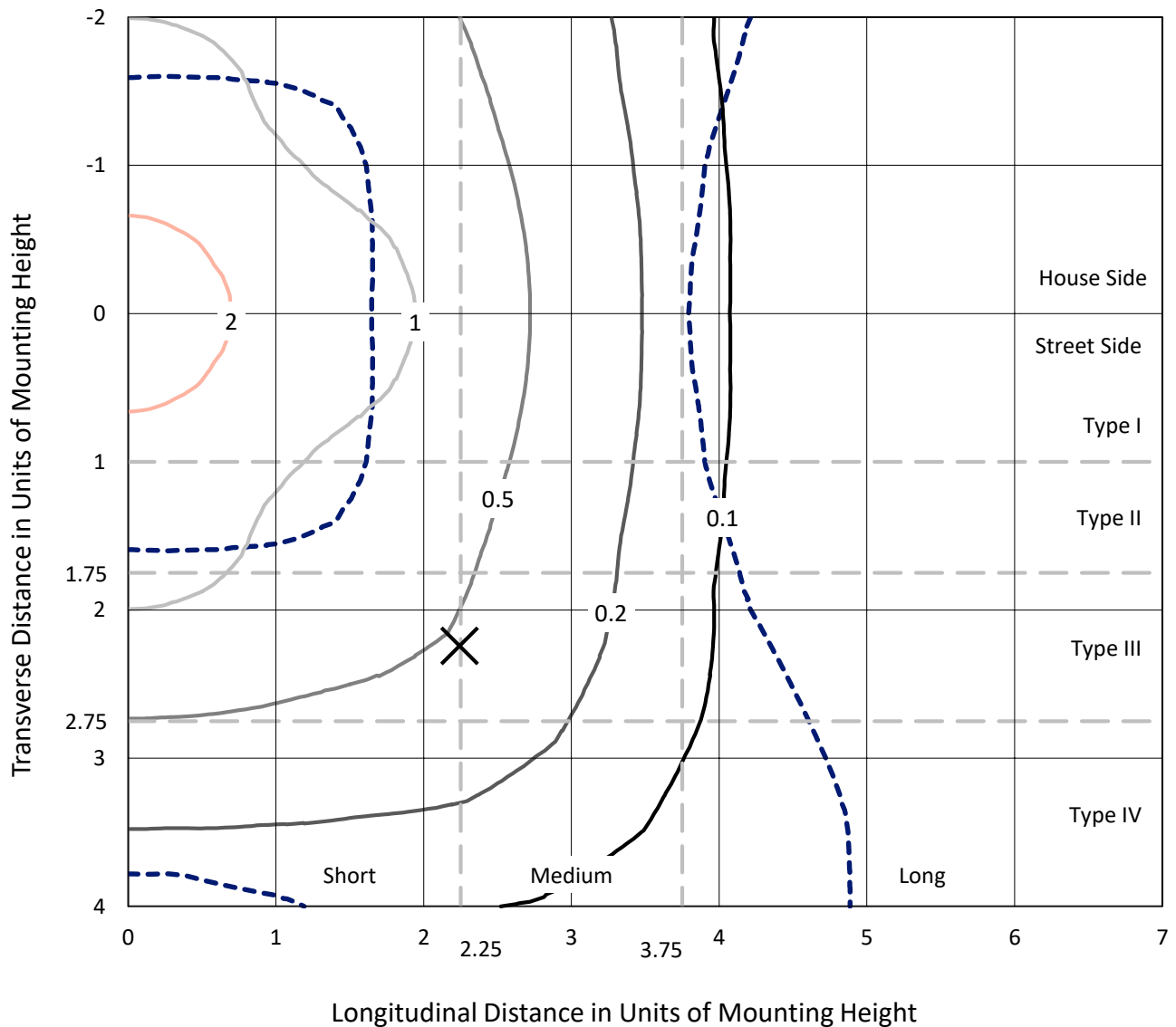
Input Watts (W): 36  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

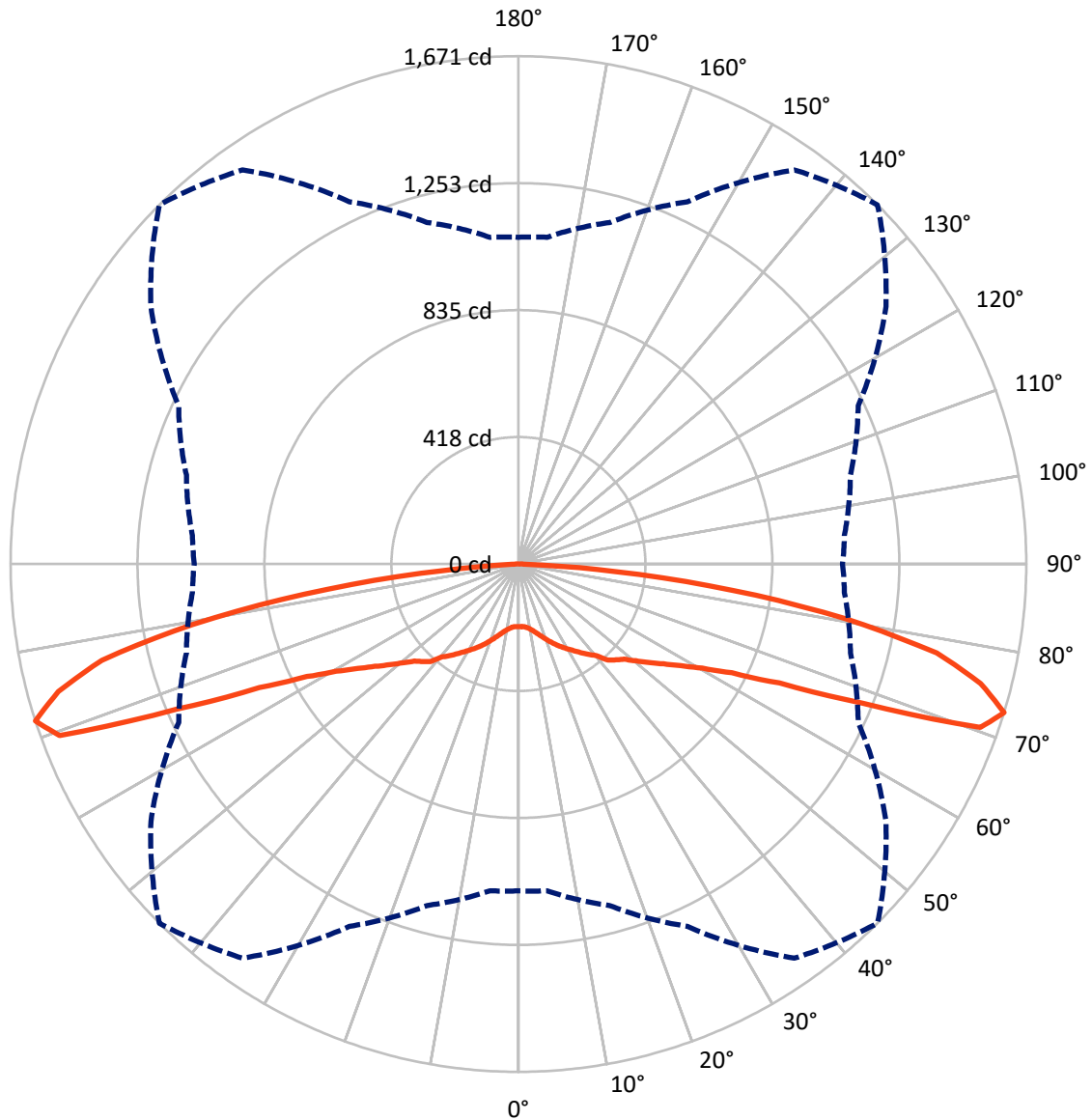


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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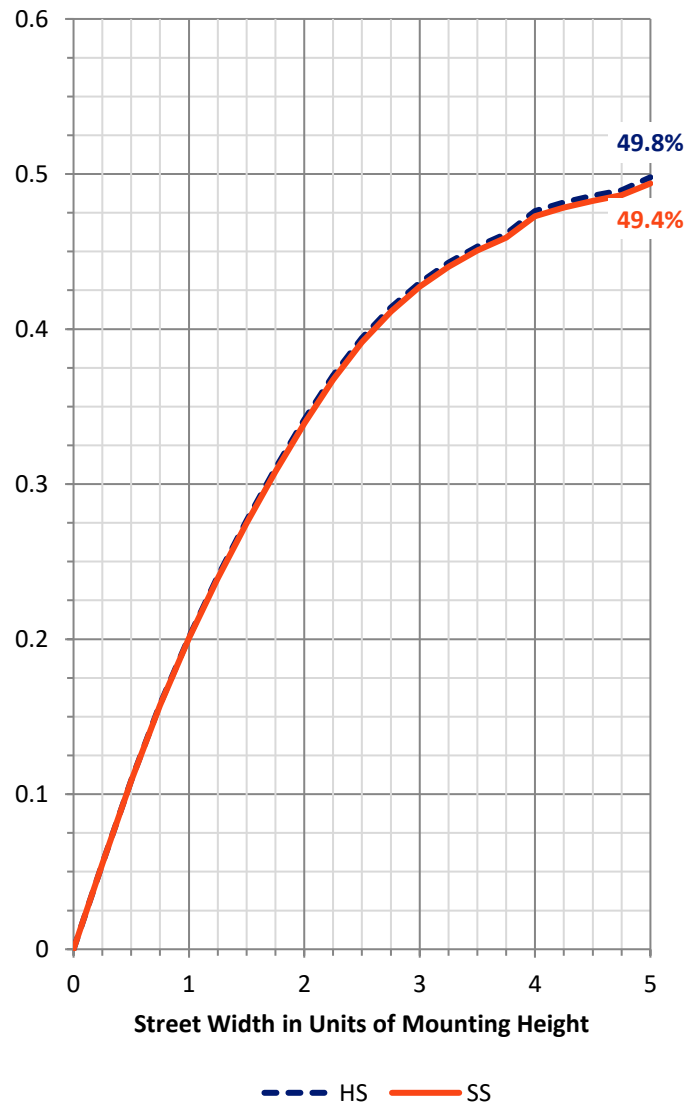
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1932.0	0.0	1932.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1932.0	0.0	1932.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3864.0	0.0	3864.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.2	0.5
10°-20°	68.5	1.8
20°-30°	136.8	3.5
30°-40°	227.0	5.9
40°-50°	357.1	9.2
50°-60°	584.5	15.1
60°-70°	1097.3	28.4
70°-80°	1150.6	29.8
80°-90°	222.0	5.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3864.0	100.0
0°-180°	3864.0	100.0



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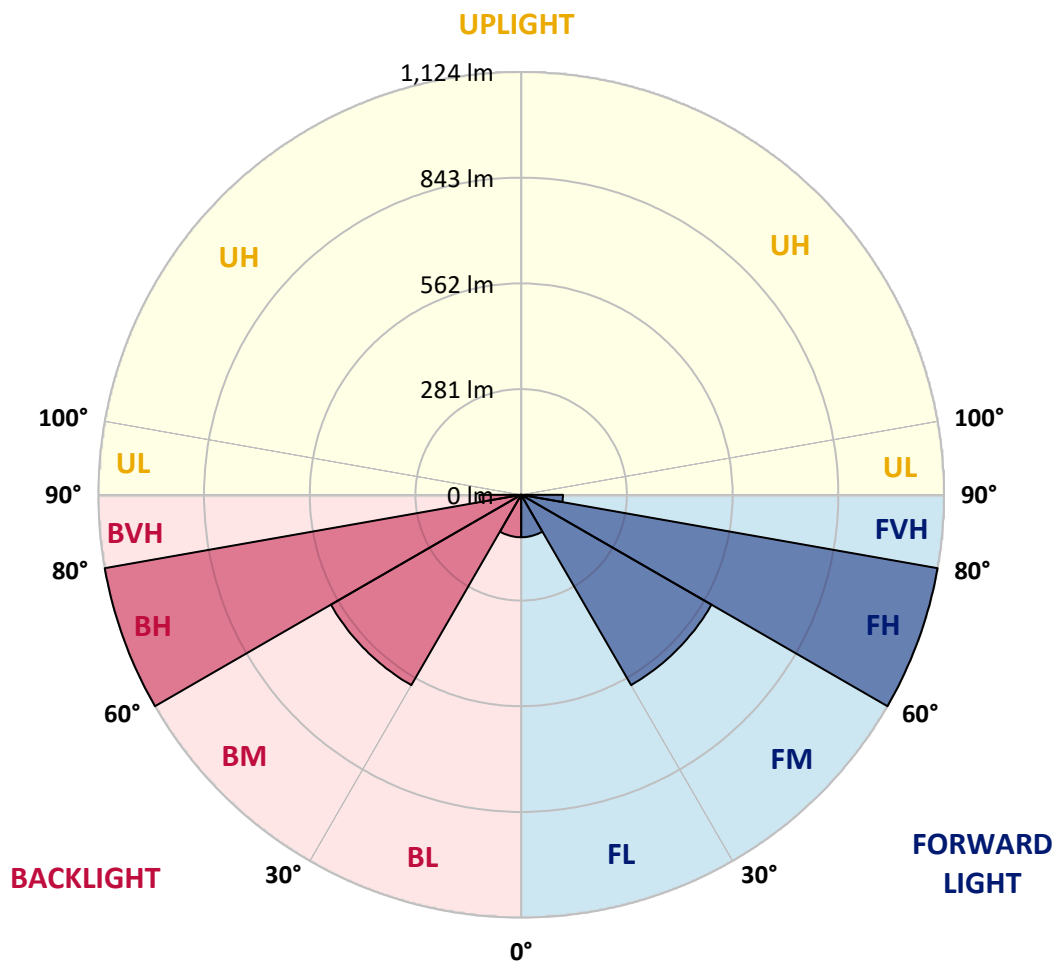
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	112.8	2.9			
FM (30°-60°)	584.3	15.1			
FH (60°-80°)	1124.0	29.1			G1/1800
FVH (80°-90°)	111.0	2.9			G2/225
BL (0°-30°)	112.8	2.9	B1/500		
BM (30°-60°)	584.3	15.1	B1/1000		
BH (60°-80°)	1124.0	29.1	B3/2500		G1/1800
BVH (80°-90°)	111.0	2.9			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	206.6	206.6	206.6	206.6	206.6	206.6	206.6	206.6	206.6	206.6	206.6
2.5°	208.7	208.7	207.8	207.8	206.2	205.8	205.3	204.9	204.9	205.8	206.2
5°	209.9	210.3	209.9	209.5	208.7	207.4	207.4	207.4	207.4	207.8	208.2
7.5°	214.9	215.7	215.3	214.1	212.8	211.6	211.1	211.6	211.6	212.0	211.6
10°	221.9	222.4	221.1	220.3	219.9	218.2	217.8	218.2	217.8	217.4	217.0
12.5°	229.8	230.2	229.4	229.0	228.6	226.9	226.5	227.3	226.5	226.1	225.7
15°	238.5	238.9	239.4	238.9	239.4	238.5	238.1	237.7	236.5	236.0	236.9
17.5°	249.3	250.1	251.0	251.4	251.8	251.0	250.1	250.1	248.5	248.5	248.9
20°	263.4	264.2	263.8	265.1	266.7	265.5	263.4	263.0	261.8	261.3	261.8
22.5°	278.8	279.2	277.9	278.8	280.8	280.4	277.5	276.3	276.3	275.9	275.4
25°	294.5	295.4	294.1	292.9	294.9	295.4	292.9	291.6	292.9	292.5	291.6
27.5°	310.3	310.7	309.5	308.2	309.1	310.3	308.6	307.4	310.3	309.5	308.2
30°	324.0	324.8	323.6	321.9	323.2	325.2	323.6	322.7	325.6	325.2	324.8
32.5°	338.5	338.9	338.1	337.3	338.9	341.0	339.3	340.2	343.1	343.1	343.5
35°	355.5	356.3	355.1	354.3	356.3	358.8	356.8	359.7	363.4	363.8	364.6
37.5°	373.8	375.0	373.3	372.9	373.3	377.9	375.8	381.6	385.8	387.5	388.7
40°	398.7	398.2	396.2	394.9	394.1	396.2	399.9	407.8	412.8	416.1	416.9
42.5°	424.0	424.4	425.6	426.0	427.7	432.3	437.2	441.4	443.0	443.5	443.0
45°	453.8	453.4	451.8	448.8	446.8	449.7	454.2	461.3	467.9	473.7	473.7
47.5°	494.1	492.8	484.1	473.3	466.7	467.9	474.2	487.0	501.5	512.7	514.4
50°	548.8	546.7	532.6	512.7	500.3	500.3	506.1	524.8	545.9	560.0	562.5
52.5°	623.1	619.8	596.5	565.4	539.7	538.0	543.0	568.3	597.4	614.8	617.7
55°	708.1	706.5	677.0	630.5	587.4	579.5	587.0	619.8	658.3	683.6	688.2
57.5°	816.0	808.5	774.1	716.0	648.8	629.7	640.5	687.8	740.1	772.8	777.8
60°	934.2	926.7	893.5	824.7	734.3	695.3	713.9	780.7	847.5	886.1	892.7
62.5°	1052.0	1052.8	1025.5	962.0	857.9	788.2	819.7	911.8	980.7	1015.9	1025.1
65°	1219.2	1213.8	1184.3	1125.9	1032.9	943.7	986.9	1077.7	1147.8	1188.1	1202.2
67.5°	1303.8	1305.9	1333.3	1346.1	1278.1	1222.1	1235.0	1296.4	1288.1	1274.4	1270.2
70°	1229.6	1232.5	1293.4	1384.7	1509.6	1611.6	1416.2	1302.6	1242.0	1215.9	1210.1
72.5°	1075.2	1079.0	1163.2	1315.0	1583.0	1670.9	1476.0	1233.3	1130.8	1076.5	1066.5
75°	855.8	859.1	964.9	1165.7	1487.2	1571.0	1376.4	1082.3	940.0	868.2	857.9
77.5°	568.3	577.0	694.0	927.6	1304.2	1406.7	1214.2	864.9	701.9	621.8	603.6
80°	261.8	270.9	388.7	623.9	982.7	1090.2	897.7	584.5	433.9	349.3	333.9
82.5°	84.2	90.8	173.8	346.0	611.5	711.4	542.6	328.5	222.8	160.5	142.3
85°	14.5	15.8	48.1	148.1	304.9	320.7	206.2	102.5	51.0	20.3	13.7
87.5°	5.4	5.0	6.2	36.1	61.4	21.6	5.8	3.7	4.1	4.6	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)